

Title (en)  
CONNECTOR ASSEMBLY

Title (de)  
VERBINDERANORDNUNG

Title (fr)  
ENSEMBLE CONNECTEUR

Publication  
**EP 4311038 A1 20240124 (EN)**

Application  
**EP 23185984 A 20230718**

Priority  
GB 202210677 A 20220721

Abstract (en)  
A connector assembly (30) for use in subsea environments comprises a plug (32) and a receptacle (34) generally arranged about a longitudinal axis (36). The plug (32) comprises a plug body (38) through which a down hole gauge cable (40) extends. The receptacle (34) comprises a receptacle body (42) and through which a supply cable (44) extends for connection with the down hole gauge cable (40). The plug (32) and the receptacle (34) are secured together via a securing nut (48). The plug (32) and the receptacle (34) are in contact and form a primary seal (70). A rotary test adaptor (46) is located radially outwardly of and is sealed against an outer surface (110) of the plug body (38) and is located radially inwardly of and is sealed against a radially inner surface (108) of the securing nut (48). The rotary test adaptor (46) comprises an outer surface (51) and an inner surface (116) and a test port (50), the test port (50) extends through the rotary test adaptor (46) from the outer surface (51) to the inner surface (116) and is in fluid communication with the primary seal (70).

IPC 8 full level  
**H01R 13/52** (2006.01); **G02B 6/24** (2006.01); **G02B 6/38** (2006.01); **H01R 13/523** (2006.01); **H01R 13/622** (2006.01); **H02G 1/10** (2006.01)

CPC (source: EP GB US)  
**E21B 17/028** (2013.01 - GB US); **E21B 33/0385** (2013.01 - GB); **G02B 6/3816** (2013.01 - EP); **H01R 13/5202** (2013.01 - EP); **H01R 13/5219** (2013.01 - US); **H01R 13/523** (2013.01 - EP GB US); **H01R 13/622** (2013.01 - US); **H01R 43/002** (2013.01 - EP); **H01R 43/26** (2013.01 - US); **E21B 47/00** (2013.01 - US); **G02B 6/3817** (2013.01 - EP); **H01R 13/5219** (2013.01 - EP); **H01R 13/622** (2013.01 - EP); **H02G 1/10** (2013.01 - EP)

Citation (search report)  
• [A] EP 2929224 B1 20180912 - HALLIBURTON ENERGY SERVICES INC [US]  
• [A] WO 9967501 A2 19991229 - PETROLEUM ENG SERVICES [US], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4311038 A1 20240124**; GB 202210677 D0 20220907; GB 2620775 A 20240124; US 2024030650 A1 20240125

DOCDB simple family (application)  
**EP 23185984 A 20230718**; GB 202210677 A 20220721; US 202318351556 A 20230713